

### **ABSTRACT OF THE DISCLOSURE**

An extended nip press machine, similar to those used in the paper industry, for use in the leather industry to remove water from hides after the tanning process. The leather press consists of a shoe whose surface

5 substantially matches the radius of an opposing pressure roll. Moving across the shoe is an endless belt, which is lubricated by a thin film of oil. Between the belt and corresponding pressure roll pass two endless felt belts, which are the means of conveying the leather hides. The nip formed by the shoe press is dramatically longer than a conventional press nip, thereby increasing the

10 dewatering efficiency of the leather press.